

Title (en)
ULTRASOUND PROBE

Title (de)
ULTRASCHALLSONDE

Title (fr)
SONDE À ULTRASON

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Application
EP 10843257 A 20100715

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Abstract (en)
[origin: EP2527004A1] The present invention relates to an ultrasound therapy system using high-intensity focused ultrasound. The present invention improves ultrasound and heat release characteristics and provides an ultrasound probe which easily performs manufacturing and maintenance processes. According to the present invention, a housing is recessed on the inward side around the upper-part edge. A plurality of mounting holes are uniformly formed from the outside at a constant radius to the edge in the center of the upper part. And a plurality of probe units are respectively installed to the plurality of mounting holes to form a sphere in the upper part of the housing wherein a first connection pin is protruded to the lower part of the housing in the lower part of a copper connection bar and a rear block, a piezoelectric wafer, and an acoustic matching layer are sequentially stacked on the upper part of the connection bar. A grounding film can be stacked on the acoustic matching layer. The upper surface of the plurality of probe units installed on the housing, the grounding film, forms a sphere.

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Citation (search report)
• [X1] EP 0310380 A2 19890405 - TOSHIBA KK [JP]
• [A] US 2002156373 A1 20021024 - WAKABAYASHI KATSUHIRO [JP], et al
• See references of WO 2011087191A1

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